

RAW SEQUENCE LISTING

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Application Serial Number: 10/582,176
Source: IFWP
Date Processed by STIC: 6/19/06

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IFWP

RAW SEQUENCE LISTING DATE: 06/19/2006
 PATENT APPLICATION: US/10/582,176 TIME: 11:41:44

Input Set : A:\14875-163US1.txt
 Output Set: N:\CRF4\06192006\J582176.raw

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3 <110> APPLICANT: Nakano, Kiyotaka
4     Nezu, Junichi
5     Yoshino, Takeshi
6     Saito, Mikiyoshi
7     Orita, Tetsuro
10 <120> TITLE OF INVENTION: METHODS OF SCREENING FOR MODIFIED ANTIBODIES WITH AGONISTIC
11     ACTIVITIES
13 <130> FILE REFERENCE: 14875-163US1
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/582,176
C--> 15 <141> CURRENT FILING DATE: 2006-06-09
15 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/18499
16 <151> PRIOR FILING DATE: 2004-12-10
18 <150> PRIOR APPLICATION NUMBER: JP 2003-415733
19 <151> PRIOR FILING DATE: 2003-12-12
21 <160> NUMBER OF SEQ ID NOS: 15
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 21
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: an artificially synthesized sequence
33 <400> SEQUENCE: 1
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36 <210> SEQ ID NO: 2
37 <211> LENGTH: 23
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial
41 <220> FEATURE:
42 <223> OTHER INFORMATION: an artificially synthesized sequence
44 <400> SEQUENCE: 2
45 gtcactggaa tggtgaaatg atg          23
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 411
49 <212> TYPE: DNA
50 <213> ORGANISM: Mus musculus
52 <220> FEATURE:
53 <221> NAME/KEY: CDS
54 <222> LOCATION: (1)..(411)
55 <223> OTHER INFORMATION:
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58 atg gaa tgg cct ttg atc ttt ctc ttc ctc ctg tca gga act gca ggt      48
59 Met Glu Trp Pro Leu Ile Phe Leu Phe Leu Ser Gly Thr Ala Gly

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60	1	5	10	15	
62	gtc cac tcc cag gtt cag ctg cag cag tct gga cct gag ttg gtg aag				96
63	Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys				
64	20	25	30		
66	cct ggg gcc tca gtg aag att tcc tgc aag gct tct ggc tat gca ttc				144
67	Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe				
68	35	40	45		
70	agt agt tcc tgg atg aac tgg gtg aag cag agg cct gga aag ggt ctt				192
71	Ser Ser Ser Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu				
72	50	55	60		
74	gag tgg att gga cgg att tat cct gga gat gga gat act aac tac aat				240
75	Glu Trp Ile Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn				
76	65	70	75	80	
78	ggg aag ttc aag ggc aag gcc aca ctg act gca gac aaa tcc tcc agc				288
79	Gly Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser				
80	85	90	95		
82	acg gcc tac ata caa ctc agc agc cta aca tct gag gac tct gcg gtc				336
83	Thr Ala Tyr Ile Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val				
84	100	105	110		
86	tac ttc tgt gca aga ggg tat gct gac tac tcc ttt gct tac tgg ggc				384
87	Tyr Phe Cys Ala Arg Gly Tyr Ala Asp Tyr Ser Phe Ala Tyr Trp Gly				
88	115	120	125		
90	caa ggg act ctg gtc act gtc tct gca				411
91	Gln Gly Thr Leu Val Thr Val Ser Ala				
92	130	135			
94	<210> SEQ ID NO: 4				
95	<211> LENGTH: 137				
96	<212> TYPE: PRT				
97	<213> ORGANISM: Mus musculus				
99	<400> SEQUENCE: 4				
100	Met Glu Trp Pro Leu Ile Phe Leu Phe Leu Leu Ser Gly Thr Ala Gly				
101	1	5	10	15	
103	Val His Ser Gln Val Gln Leu Gln Gln Ser Gly Pro Glu Leu Val Lys				
104	20	25	30		
106	Pro Gly Ala Ser Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Ala Phe				
107	35	40	45		
109	Ser Ser Ser Trp Met Asn Trp Val Lys Gln Arg Pro Gly Lys Gly Leu				
110	50	55	60		
112	Glu Trp Ile Gly Arg Ile Tyr Pro Gly Asp Gly Asp Thr Asn Tyr Asn				
113	65	70	75	80	
115	Gly Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Lys Ser Ser Ser				
116	85	90	95		
118	Thr Ala Tyr Ile Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val				
119	100	105	110		
121	Tyr Phe Cys Ala Arg Gly Tyr Ala Asp Tyr Ser Phe Ala Tyr Trp Gly				
122	115	120	125		
124	Gln Gly Thr Leu Val Thr Val Ser Ala				
125	130	135			
127	<210> SEQ ID NO: 5				

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128 <211> LENGTH: 396
 129 <212> TYPE: DNA
 130 <213> ORGANISM: Mus musculus
 132 <220> FEATURE:
 133 <221> NAME/KEY: CDS
 134 <222> LOCATION: (1)..(396)
 135 <223> OTHER INFORMATION:
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 138 atg agg tgc cta gct gag ttc ctg ggg ctg ctt gtg ctc tgg atc cct 48
 139 Met Arg Cys Leu Ala Glu Phe Leu Gly Leu Leu Val Leu Trp Ile Pro
 140 1 5 10 15
 142 gga gcc att ggg gat att gtg atg act cag gct gca ccc tct gta cct 96
 143 Gly Ala Ile Gly Asp Ile Val Met Thr Gln Ala Ala Pro Ser Val Pro
 144 20 25 30
 146 gtc act cct gga gag tca gta tcc atc tcc tgc agg tct agt aag agt 144
 147 Val Thr Pro Gly Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser
 148 35 40 45
 150 ctc ctg cat agt aat ggc aac act tac ttg tat tgg ttc ctg cag agg 192
 151 Leu Leu His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp Phe Leu Gln Arg
 152 50 55 60
 154 cca ggc cag tct cct cag ctc ctg ata tat cgg atg tcc aac ctt gcc 240
 155 Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Met Ser Asn Leu Ala
 156 65 70 75 80
 158 tca gga gtc cca gac agg ttc agt ggc agt ggg tca gga act gct ttc 288
 159 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Ala Phe
 160 85 90 95
 162 aca ctg aga atc agt aga gtg gag gct gag gat gtg ggt gtt tat tac 336
 163 Thr Leu Arg Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
 164 100 105 110
 166 tgt atg caa cat cta gaa tat ccg tat acg ttc gga tcg ggg acc aag 384
 167 Cys Met Gln His Leu Glu Tyr Pro Tyr Thr Phe Gly Ser Gly Thr Lys
 168 115 120 125
 170 ctg gaa ata aaa 396
 171 Leu Glu Ile Lys
 172 130
 174 <210> SEQ ID NO: 6
 175 <211> LENGTH: 132
 176 <212> TYPE: PRT
 177 <213> ORGANISM: Mus musculus
 179 <400> SEQUENCE: 6
 180 Met Arg Cys Leu Ala Glu Phe Leu Gly Leu Leu Val Leu Trp Ile Pro
 181 1 5 10 15
 183 Gly Ala Ile Gly Asp Ile Val Met Thr Gln Ala Ala Pro Ser Val Pro
 184 20 25 30
 186 Val Thr Pro Gly Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser
 187 35 40 45
 189 Leu Leu His Ser Asn Gly Asn Thr Tyr Leu Tyr Trp Phe Leu Gln Arg
 190 50 55 60
 192 Pro Gly Gln Ser Pro Gln Leu Leu Ile Tyr Arg Met Ser Asn Leu Ala

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193 65 70 75 80
 195 Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Thr Ala Phe
 196 85 90 95
 198 Thr Leu Arg Ile Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr
 199 100 105 110
 201 Cys Met Gln His Leu Glu Tyr Pro Tyr Thr Phe Gly Ser Gly Thr Lys
 202 115 120 125
 204 Leu Glu Ile Lys
 205 130
 207 <210> SEQ ID NO: 7
 208 <211> LENGTH: 30
 209 <212> TYPE: DNA
 210 <213> ORGANISM: Artificial
 212 <220> FEATURE:
 213 <223> OTHER INFORMATION: an artificially synthesized primer sequence
 215 <400> SEQUENCE: 7
 216 tagaattcca ccatggaatg gcctttgatc 30
 218 <210> SEQ ID NO: 8
 219 <211> LENGTH: 56
 220 <212> TYPE: DNA
 221 <213> ORGANISM: Artificial
 223 <220> FEATURE:
 224 <223> OTHER INFORMATION: an artificially synthesized primer sequence
 226 <400> SEQUENCE: 8
 227 agcctgagtc atcacaaatat ccgatccgcc tccacctgca gagacagtga ccagag 56
 229 <210> SEQ ID NO: 9
 230 <211> LENGTH: 56
 231 <212> TYPE: DNA
 232 <213> ORGANISM: Artificial
 234 <220> FEATURE:
 235 <223> OTHER INFORMATION: an artificially synthesized primer sequence
 237 <400> SEQUENCE: 9
 238 actctggtca ctgtctctgc aggtggaggc ggatcgata ttgtatgac tcaggc 56
 240 <210> SEQ ID NO: 10
 241 <211> LENGTH: 60
 242 <212> TYPE: DNA
 243 <213> ORGANISM: Artificial
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: an artificially synthesized primer sequence
 248 <400> SEQUENCE: 10
 249 attgcggccg cttatcactt atcgatgtca tccttgtagt cttttatccc cagcttggtc 60
 251 <210> SEQ ID NO: 11
 252 <211> LENGTH: 8
 253 <212> TYPE: PRT
 254 <213> ORGANISM: Artificial
 256 <220> FEATURE:
 257 <223> OTHER INFORMATION: an artificially synthesized FLAG tag sequence
 259 <400> SEQUENCE: 11
 260 Asp Tyr Lys Asp Asp Asp Lys

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Input Set : A:\14875-163US1.txt

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261 1 5
263 <210> SEQ ID NO: 12
264 <211> LENGTH: 82
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: an artificially synthesized primer sequence
271 <400> SEQUENCE: 12
272 tgagtcatca caatatccga tccgccacca cccgaaccac caccacccga accaccacca 60
274 cctgcagaga cagtgaccag ag 82
276 <210> SEQ ID NO: 13
277 <211> LENGTH: 82
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial
281 <220> FEATURE:
282 <223> OTHER INFORMATION: an artificially synthesized primer sequence
284 <400> SEQUENCE: 13
285 tggtcactgt ctctgcaggt ggtggtggtt cgggtggtgg tggttcggtt ggtggcggat 60
287 cggatattgt gatgactcag gc 82
289 <210> SEQ ID NO: 14
290 <211> LENGTH: 25
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial
294 <220> FEATURE:
295 <223> OTHER INFORMATION: an artificially synthesized primer sequence
297 <400> SEQUENCE: 14
298 caggttcagc tgccgcgttc tggac 25
300 <210> SEQ ID NO: 15
301 <211> LENGTH: 81
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial
305 <220> FEATURE:
306 <223> OTHER INFORMATION: an artificially synthesized primer sequence
308 <400> SEQUENCE: 15
309 gctgcagctg aacctgcgtt ccaccgcctc ccgaaccacc accacccgtt ccaccacctc 60
311 cttttatttc cagttggtc c 81

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/19/2006
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Input Set : A:\14875-163US1.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,7,8,9,10,11,12,13,14,15

VERIFICATION SUMMARY DATE: 06/19/2006
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Input Set : A:\14875-163US1.txt
Output Set: N:\CRF4\06192006\J582176.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:57 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:55
L:137 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:135